

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 34104-0082	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/CA2004/000443	International filing date (day/month/year) 26/03/2004	(Earliest) Priority Date (day/month/year)
Applicant  GARIEPY, Jean		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 05 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☒ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 01

☐ as suggested by the applicant.

☒ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/CA2004/000443

## Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
  - a. type of material
    - ☒ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material
    - ☒ in written format
    - ☒ in computer readable form
  - c. time of filing/furnishing
    - ☒ contained in the international application as filed
    - ☐ filed together with the international application in computer readable form
    - ☒ furnished subsequently to this Authority for the purpose of search
2. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/CA2004/000443

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C07K14/245

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, MEDLINE, WPI Data, Sequence Search

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	BRAY MARK R ET AL: "Probing the surface of eukaryotic cells using combinatorial toxin libraries" CURRENT BIOLOGY, vol. 11, no. 9, 1 May 2001 (2001-05-01), pages 697-701, XP002303223 ISSN: 0960-9822 the whole document	1-23
X	WO 99/40185 A (ONTARIO CANCER INST ; GARIEPY JEAN (CA); BRAY MARK ROBERT (CA)) 12 August 1999 (1999-08-12) the whole document ----- --/--	1-23

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \* & \* document member of the same patent family

Date of the actual completion of the international search

29 October 2004

Date of mailing of the international search report

25/11/2004

Name and mailing address of the ISA

European Patent Office, P. B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo.nl,  
Fax: (+31-70) 340-3016

Authorized officer

Young, C

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	BRAY ET AL: "Shiga-like toxin as a template for the development of anti-breast cancer agents" PROCEEDINGS OF THE 89TH. ANNUAL MEETING OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH. NEW ORLEANS, LA, MARCH 28 - APRIL 1, 1998, PROCEEDINGS OF THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH, PHILADELPHIA, PA : AACR, US, vol. VOL. 39, 1 March 1998 (1998-03-01), page 62, XP002096335 the whole document -----	1-23
X	BRAY ET AL: "Expression of the Shiga-like toxin I receptor CD77 on human breast carcinomas, follicular lymphomas and multiple myelomas and absence of expression on CD34+ human hematopoietic cells: Implications for tumor cell purging" PROCEEDINGS OF THE 89TH. ANNUAL MEETING OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH. NEW ORLEANS, LA, MARCH 28 - APRIL 1, 1998, PROCEEDINGS OF THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH, PHILADELPHIA, PA : AACR, US, vol. VOL. 39, 1 March 1998 (1998-03-01), page 63, XP002096336 the whole document -----	1-23
A	US 5 552 144 A (GORDON VALERY M ET AL) 3 September 1996 (1996-09-03) the whole document -----	1-23

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA2004/000443

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9940185	A	12-08-1999	CA 2222993 A1	04-08-1999
			AU 769824 B2	05-02-2004
			AU 1553099 A	23-08-1999
			CA 2319720 A1	12-08-1999
			WO 9940185 A1	12-08-1999
			EP 1051482 A1	15-11-2000
			JP 2002503453 T	05-02-2002
-----				
US 5552144	A	03-09-1996	NONE	
-----				